

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/798,750A
Source: IFW
Date Processed by STIC: 5-17-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10798,750A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics
_____ Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 _____ Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 _____ Misaligned Amino
_____ Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 _____ Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5 _____ Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 _____ PatentIn 2.0
_____ "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 _____ Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 _____ Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 _____ Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 _____ Invalid <213>
_____ Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 _____ Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 _____ PatentIn 2.0
_____ "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 _____ Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 05/17/2006

PATENT APPLICATION: US/10/798,750A

TIME: 09:58:58

Input Set : A:\22563 Seq 20060330 client.txt

Output Set: N:\CRF4\05172006\J798750A.raw

3 <110> APPLICANT: KAZUHIRO, KONDO
 4 MICHIO, OISHI
 5 OSAMU, OHARA
 7 <120> TITLE OF INVENTION: PARTIAL HOMOLOGOUS RECOMBINATION OF DNA CHAIN
 9 <130> FILE REFERENCE: SUSU122563
 11 <140> CURRENT APPLICATION NUMBER: US 10/798,750A
 12 <141> CURRENT FILING DATE: 2004-03-10
 14 <150> PRIOR APPLICATION NUMBER: JP 2003-068176
 15 <151> PRIOR FILING DATE: 2003-03-13
 17 <160> NUMBER OF SEQ ID NOS: 21
 19 <170> SOFTWARE: PatentIn version 3.3

Does Not Comply
 Corrected Diskette Needed
 (pg.1-3) ↗

21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 62
 23 <212> TYPE: DNA
 24 <213> ORGANISM: oligo DNA
 26 <400> SEQUENCE: 1
 27 atccgataaa gcttgatatt gaattcctgc agcccgggg atccactagt tctagagcgg
 29 cc

60
 62

32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 25
 34 <212> TYPE: DNA
 35 <213> ORGANISM: oligo DNA
 37 <400> SEQUENCE: 2
 38 gggatccact agttctagag cggcc

← Mandatory,
 25

41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 29
 43 <212> TYPE: DNA
 44 <213> ORGANISM: oligo DNA
 46 <400> SEQUENCE: 3
 47 ccgggggatc cactagttct agagcggcc

<213> responses
 has to be

50 <210> SEQ ID NO: 4
 51 <211> LENGTH: 40
 52 <212> TYPE: DNA
 53 <213> ORGANISM: oligo DNA
 55 <400> SEQUENCE: 4
 56 attcctgcag cccgggggat ccactagttc tagagcggcc

29
 either
 Artificial,
 Unknown

59 <210> SEQ ID NO: 5
 60 <211> LENGTH: 60
 61 <212> TYPE: DNA
 62 <213> ORGANISM: oligo DNA
 64 <400> SEQUENCE: 5
 65 atcgataagc ttgatattga attcctgcag cccgggggat ccactagttc tagagcggcc
 68 <210> SEQ ID NO: 6

or
 Genus/Species

↑ See item #10 on error
 Summary sheet

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Input Set : A:\22563 Seq 20060330 client.txt

Output Set: N:\CRF4\05172006\J798750A.raw

69 <211> LENGTH: 20
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Primer *Invalid*
 73 <400> SEQUENCE: 6 *Response* 20
 74 gaaccctaaag cccacaccag
 77 <210> SEQ ID NO: 7
 78 <211> LENGTH: 27
 79 <212> TYPE: DNA
 80 <213> ORGANISM: oligo DNA *Invalid*
 82 <400> SEQUENCE: 7 *Response* 27
 83 gggaacaaaa gctggagctc caccgag
 86 <210> SEQ ID NO: 8
 87 <211> LENGTH: 20
 88 <212> TYPE: DNA
 89 <213> ORGANISM: oligo DNA *Invalid*
 91 <400> SEQUENCE: 8 *Response* 20
 92 caggactcca gcaaagcact
 95 <210> SEQ ID NO: 9
 96 <211> LENGTH: 24
 97 <212> TYPE: DNA
 98 <213> ORGANISM: oligo DNA *Invalid*
 100 <400> SEQUENCE: 9 *Response* 24
 101 cgccagggtt ttccagtcga cgac
 104 <210> SEQ ID NO: 10
 105 <211> LENGTH: 25
 106 <212> TYPE: DNA
 107 <213> ORGANISM: Primer *Invalid*
 109 <400> SEQUENCE: 10 *Response* 25
 110 gggatggagg ttctctttgg attcc
 113 <210> SEQ ID NO: 11
 114 <211> LENGTH: 22
 115 <212> TYPE: DNA
 116 <213> ORGANISM: Primer *Same*
 118 <400> SEQUENCE: 11 *error* 22
 119 acccgtgtaa acaggagcca ga
 122 <210> SEQ ID NO: 12
 123 <211> LENGTH: 23
 124 <212> TYPE: DNA
 125 <213> ORGANISM: Primer *Same*
 127 <400> SEQUENCE: 12 *error* 23
 128 tgtccagtac agcggttcgtt cct
 131 <210> SEQ ID NO: 13
 132 <211> LENGTH: 25
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Primer *Same*
 136 <400> SEQUENCE: 13 *error* 25
 137 tgacaggtga cgagtgtgag ctatc
 140 <210> SEQ ID NO: 14
 141 <211> LENGTH: 25

See item

10 on

error

Summary

Sheet.

RAW SEQUENCE LISTING

DATE: 05/17/2006

PATENT APPLICATION: US/10/798,750A

TIME: 09:58:58

Input Set : A:\22563 Seq 20060330 client.txt

Output Set: N:\CRF4\05172006\J798750A.raw

Same
errors

142 <212> TYPE: DNA
143 <213> ORGANISM: Primer
145 <400> SEQUENCE: 14
146 ggacgaactg ctcaaagcca ttg
149 <210> SEQ ID NO: 15
150 <211> LENGTH: 25
151 <212> TYPE: DNA
152 <213> ORGANISM: Primer
154 <400> SEQUENCE: 15
155 cgtcatccct aaagtgtcc tcaag
158 <210> SEQ ID NO: 16
159 <211> LENGTH: 20
160 <212> TYPE: DNA
161 <213> ORGANISM: Primer
163 <400> SEQUENCE: 16
164 gccactccct tcccgattca
167 <210> SEQ ID NO: 17
168 <211> LENGTH: 21
169 <212> TYPE: DNA
170 <213> ORGANISM: Primer
172 <400> SEQUENCE: 17
173 cgaggcgtag ctggtcaatg g
176 <210> SEQ ID NO: 18
177 <211> LENGTH: 21
178 <212> TYPE: DNA
179 <213> ORGANISM: Primer
181 <400> SEQUENCE: 18
182 atattgcttg gattctacgt g
185 <210> SEQ ID NO: 19
186 <211> LENGTH: 21
187 <212> TYPE: DNA
188 <213> ORGANISM: Primer
190 <400> SEQUENCE: 19
191 ggacgtaagg ataacattct g
194 <210> SEQ ID NO: 20
195 <211> LENGTH: 23
196 <212> TYPE: DNA
197 <213> ORGANISM: Primer
199 <400> SEQUENCE: 20
200 cttcgggcgt gtggaaagat acc
203 <210> SEQ ID NO: 21
204 <211> LENGTH: 22
205 <212> TYPE: DNA
206 <213> ORGANISM: Primer
208 <400> SEQUENCE: 21
209 cgagcgagag ggagagattg ga

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VERIFICATION SUMMARY

DATE: 05/17/2006

PATENT APPLICATION: US/10/798,750A

TIME: 09:58:59

Input Set : A:\22563 Seq 20060330 client.txt

Output Set: N:\CRF4\05172006\J798750A.raw